

VPN SYSTEM IN MOBILE IP NETWORK, AND
METHOD OF SETTING VPN

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ABSTRACT OF THE DISCLOSURE

10 Linked with a position registration procedure in a
mobile IP, the invention provides a VPN setting service
using an IP Sec. tunnel between optional terminals
without requiring these terminals to have a specific VPN
function. This service is provided by a mobile terminal,
15 authentication servers, a VPN database, and network
apparatuses. A home authentication server extracts from
the VPN database the VPN information of a user who has
requested the authentication at the time of making a
position registration request from the mobile terminal.
The home authentication server then posts the VPN
20 information to each network apparatus using a
predetermined position registration message and an
authentication response message. Based on the posted VPN
information, the network apparatuses set a VPN path by
the IP Sec. to between a home network apparatus and an
25 external network apparatus, between the home network
apparatus and a predetermined network apparatus, and/or
the external network apparatus and the predetermined
network apparatus, respectively.

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